

QY 1861 ggcattttgacaacgcgcgacgttgcgttgaagagatctcccccagtggttttagcttc 1920
|||||
Db 1861 ggcattttgacaacgcgcgacgttgcgttgaagagatctcccccagtggttttagcttc 1920
QY 1921 gcaagccgttgagtgccagctgttgcgagaatcgtatgagaccgcgaacgttgatccgctac 1980
|||||
Db 1921 gcaagccgttgagtgccagctgttgcgagaatcgtatgagaccgcgaacgttgatccgctac 1980
QY 1981 ttcttcacggagaaagagaccggaattccagtaacatgtgcatactgagtgtgtcagccacc 2040
|||||
Db 1981 ttcttcacggagaaagagaccggaattccagtaacatgtgcatactgagtgtgtcagccacc 2040
QY 2041 ctgcgaaggtatgtgagacgaagagactttgcacatctcgcgttcgagcccaactcttg 2100
|||||
Db 2041 ctgcgaaggtatgtgagacgaagagactttgcacatctcgcgttcgagcccaactcttg 2100
QY 2101 ctgcagacgaaccactctgcgccttcgcccacactccactccctcaacatcglttcacagagac 2160
|||||
Db 2101 ctgcagacgaaccactctgcgccttcgcccacactccactccctcaacatcglttcacagagac 2160
QY 2161 ctaaaagccacaacaacatctcatatccatgtcccaatgtcaacgcgaagaatcaaggccatg 2220
|||||
Db 2161 ctaaaagccacaacaacatctcatatccatgtcccaatgtcaacgcgaagaatcaaggccatg 2220
QY 2221 atctccgaacttgcgtctgcacagaagctgtgcagtgcggagacacagtttcacgcgcgca 2280
|||||
Db 2221 atctccgaacttgcgtctgcacagaagctgtgcagtgcggagacacagtttcacgcgcgca 2280
QY 2281 tctgggtgtccttcgcacagaaggtcgtgcacgtccacagagatgtcgtgcgaagactgttaag 2340
|||||
Db 2281 tctgggtgtccttcgcacagaaggtcgtgcacgtccacagagatgtcgtgcgaagactgttaag 2340
QY 2341 gagaacccctactacaacgttgcacatctttctgcagagctgtgcttttactacgtgtgc 2400
|||||
Db 2341 gagaacccctactacaacgttgcacatctttctgcagagctgtgcttttactacgtgtgc 2400
QY 2401 tcttcggggcagaccaccccttttcgcaagtcctccgcagcgcgcgcacacactctcccggtc 2460
|||||
Db 2401 tcttcggggcagaccaccccttttcgcaagtcctccgcagcgcgcgcacacactctcccggtc 2460
QY 2461 gctctcagccttgcactgtctgcacccacgaagacgcgaacgcgtcatctgcacagatgtg 2520
|||||
Db 2461 gctctcagccttgcactgtctgcacccacgaagacgcgaacgcgtcatctgcacagatgtg 2520
QY 2521 atagagaagaatattgcgatagtatctcagaagaccctccgcagacacgcgtgtcccaa 2580
|||||
Db 2521 atagagaagaatattgcgatagtatctcagaagaccctccgcagacacgcgtgtcccaa 2580
QY 2581 caaccgttcttcgtgagcctaaagaagcagctccagttcttcacagacgtgcacagaa 2640
|||||
Db 2581 caaccgttcttcgtgagcctaaagaagcagctccagttcttcacagacgtgcacagaa 2640
QY 2641 atagaaagaagaatccctctgagatgcgccgatcgttgaagcagtttagagagagcgaggagacc 2700
|||||
Db 2641 atagaaagaagaatccctctgagatgcgccgatcgttgaagcagtttagagagagcgaggagacc 2700
QY 2701 gtggtgaaagaatgagctgcggagaaacatcactgaaccctcccaagaacactgtcgtaa 2760
|||||
Db 2701 gtggtgaaagaatgagctgcggagaaacatcactgaaccctcccaagaacactgtcgtaa 2760
QY 2761 ttcaagacctataaagtggtctctgcagagatactcctccgcagcactgagaaataaagaa 2820
|||||
Db 2761 ttcaagacctataaagtggtctctgcagagatactcctccgcagcactgagaaataaagaa 2820
QY 2821 caaccactacggagagctgccttcagagatgtgcggagagacgtctgggagacctcccgagac 2880
|||||
Db 2821 caaccactacggagagctgccttcagagatgtgcggagagacgtctgggagacctcccgagac 2880
QY 2881 ttctgtgtactactacgctgtcctcccaactccctccgcacacacactacggcgacgt 2940
|||||
Db 2881 ttctgtgtactactacgctgtcctcccaactccctccgcacacacactacggcgacgt 2940

QY 2941 gagctgtgcagccacagagagactctccagccctactacttccacagagcccccagagccc 3000
|||||
Db 2941 gagctgtgcagccacagagagactctccagccctactacttccacagagcccccagagccc 3000
QY 3001 caagccccagtgatctccagaacgcctctgcagcagagggcgccctctgtctgtgtgccc 3060
|||||
Db 3001 caagccccagtgatctccagaacgcctctgcagcagagggcgccctctgtctgtgtgccc 3060
QY 3061 cagctgtgacttaagggcctgtccacacaaatagagacttgagctcccccgtcttgcag 3120
|||||
Db 3061 cagctgtgacttaagggcctgtccacacaaatagagacttgagctcccccgtcttgcag 3120
QY 3121 gtagacagagcttcccaaaccaagtgctctgaagctgcctctgcagccacagagagaca 3180
|||||
Db 3121 gtagacagagcttcccaaaccaagtgctctgaagctgcctctgcagccacagagagaca 3180
QY 3181 gtgtgtaccccaaggaatgtgcgaaggtgcgcctctgtgacctacagggagacttggagaat 3240
|||||
Db 3181 gtgtgtaccccaaggaatgtgcgaaggtgcgcctctgtgacctacagggagacttggagaat 3240
QY 3241 gcttgcccccaaaagccttcaggtcatgatgtctgcacaaagagggcctccagacagcgcg 3300
|||||
Db 3241 gcttgcccccaaaagccttcaggtcatgatgtctgcacaaagagggcctccagacagcgcg 3300
QY 3301 agtagacccccagccatctactgtgataaactgtctcagacttttaaatctctgctta 3360
|||||
Db 3301 agtagacccccagccatctactgtgataaactgtctcagacttttaaatctctgctta 3360
QY 3361 atgtcagcttacaagccttccaggaagggagagagagaaatcgtacatttgcctgtcg 3420
|||||
Db 3361 atgtcagcttacaagccttccaggaagggagagagagaaatcgtacatttgcctgtcg 3420
QY 3421 ctgggacacagctgagctgaatgcacacaaatcacagccttcaactgcggaacgttgaag 3480
|||||
Db 3421 ctgggacacagctgagctgaatgcacacaaatcacagccttcaactgcggaacgttgaag 3480
QY 3481 gtgcgggagatctgaagaggggagacgagtgctcagaagggtgtgcctccagatagaga 3540
|||||
Db 3481 gtgcgggagatctgaagaggggagacgagtgctcagaagggtgtgcctccagatagaga 3540
QY 3541 ttctctatgtatcacagatgtgcgccagatgagccaggtcactgttaactagtgttcg 3600
|||||
Db 3541 ttctctatgtatcacagatgtgcgccagatgagccaggtcactgttaactagtgttcg 3600
QY 3601 cagagcgacagagagccagcccggaattc 3629
|||||
Db 3601 cagagcgacagagagccagcccggaattc 3629

RESULT 2
AAFA4697
ID AAFA4697 standard; cDNA; 2769 BP.
XX
AC AAFA4697;
XX
DT 27-MAR-2001 (first entry)
XX
DE Novel protein kinase cDNA, SEQ ID NO: 78.
XX
KW Human; mouse; protein kinase; antiarthritic; antisclerotic; osteopathic;
KW immunosuppressive; cardiant; renal; antiinflammatory; antiaslthmatic;
KW dermatological; antidiabetic; antifertility; gene therapy; vaccine;
KW immune disorder; cardiovascular disease; neurodegenerative disease;
KW cancer; autoimmune disorder; stroke; inflammatory bowel disease;
KW inflammatory pelvic disease; multiple sclerosis; psoriasis; ss.
XX
OS Homo sapiens.
XX
PN WO200073469-A2.
XX
PD 07-DEC-2000.
XX
PF 26-MAY-2000; 2000MO-US14842.

Query Match 12.7%; Score 461.8; DB 22; Length 471;
Best Local Similarity 99.6%; Pred. No. 4.6e-97;
Matches 463; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2816 aagaagacacactacacgagagctcgtcagagagtgaggagagagctcgggagacctcccg 2875
|||||
DB 465 AGAAGACACACTACCGGAGCTGCTGCAGAGTGGGGAGAGCGTGGGGTCCCTCCCG 406
QY 2876 acgactcgtgctactcaagctcgtcgtcccaacctcgcacacacctaccgag 2935
|||||
DB 405 AGACTGCTGTGCTACTTACATCTCGCTCCCACTCCCGACACACACTACCGG 346
QY 2936 ccatgagactgtgacagcagagagactctccagcctactactccacagagcccccag 2995
|||||
DB 345 CCATGAGCTGTGCACGCCACGAGAGACTTCCAGCCCTACTACTTCCAGAGCCCCCAG 286
QY 2996 agcccccagcccgagtgactccagagcgcctcgtgagcagaggggagccctctgtgt 3055
|||||
DB 285 AGCCCCAGCCCCAGTACTCCAGAGCCCTCTGAGCGAGGGGCGCCCTCTGTGTGT 226
3056 ggcacagctgtgactgagggcctgtgcaacacatlagactgtgctcccgctt 3115
|||||
225 GGCCTCAGCTGTGACTGAGGGCTGTGACACAAATTAGAGCTGTATGCCCTCCGGCTTT 166
QY 3116 gcaaggagacagagctcccaaaacaaagtgccttgagctgtcgtctgcagccacaga 3175
|||||
DB 165 GCAGGAGAGACAGGCTTCCCAACCAAGTGCTTGAGCTGCTGTGAGCCACAG 106
QY 3176 ggaagatgtgacccagagagtggaagagtgagccctcgtgacttacaagagaaatg 3235
|||||
DB 105 GGACACTGTGACCCAGAGAGTGGAGAGTGGCCCTGTGACTACACAGGAACTGG 46
QY 3236 aagatgtgccccaaaagccttacgctcatgctgtcgtcaaa 3280
|||||
DB 45 AAGATGCTGGCCCCAAGCCTTACGCTATGATGTCTGCAAGG 1

RESULT 4
AAI36973/C
ID AAI36973 standard; DNA; 471 BP.
XX
AC AAI36973;
XX
DT 17-OCT-2001 (first entry)
XX
DE Probe #5659 used to measure gene expression in human placenta sample.
XX
KW Probe: microarray; human; placenta; antenatal diagnosis;
KW genetic disorder; ss.
XX
Homo sapiens.
XX
PN WO200157272-A2.
XX
PD 09-AUG-2001.
XX
PF 30-JAN-2001; 2001WO-US00663.
XX
PR 04-FEB-2000; 2000US-0180312.
PR 26-MAY-2000; 2000US-0207456.
PR 30-JUN-2000; 2000US-0608408.
PR 03-AUG-2000; 2000US-0632366.
PR 21-SEP-2000; 2000US-0234687.
PR 27-SEP-2000; 2000US-0236359.
PR 04-OCT-2000; 2000GB-0024263.
XX
PA (MOLE-) MOLECULAR DYNAMICS INC.
XX
PI Penn SG, Hanzel DK, Chen W, Rank DR;
XX
DR WPI; 2001-488897/53.
XX
PT Human genome-derived single exon nucleic acid probes useful for

PT analyzing gene expression in human placenta -
PS
XX Claim 25; SEQ ID No 5659; 654bp; English.
CC
CC The present invention relates to single exon nucleic acid probes (SENPs).
CC The present sequence is one such probe. The probes are useful for
CC producing a microarray for predicting, measuring and displaying gene
CC expression in samples derived from human placenta. The probes are useful
CC for antenatal diagnosis of human genetic disorders.
XX
SQ Sequence 471 BP; 84 A; 130 C; 164 G; 93 T; 0 other;

Query Match 12.7%; Score 461.8; DB 22; Length 471;
Best Local Similarity 99.6%; Pred. No. 4.6e-97;
Matches 463; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2816 aagaagacacactacacgagagctcgtcagagagtgaggagagagctcgggagacctcccg 2875
|||||
DB 465 AGAAGACACACTACCGGAGCTGCTGCAGAGTGGGGAGAGCGTGGGGTCCCTCCCG 406
QY 2876 acgactcgtgctactcaagctcgtcgtcccaacctcgcacacacctaccgag 2935
|||||
DB 405 AGACTTCTGTGCTACTTACATCTCGCTTCCCACTCTCCGACACACTACCGG 346
QY 2936 ccatgagactgtgacagcagagagactctccagcctactactccacagagcccccag 2995
|||||
DB 345 CCATGAGCTGTGCACGCCACGAGAGACTTCCAGCCCTACTACTTCCAGAGCCCCCAG 286
QY 2996 agcccccagcccgagtgactccagagcgcctcgtgagcagaggggagccctctgtgt 3055
|||||
DB 285 AGCCCCAGCCCCAGTACTCCAGAGCCCTCTGAGCGAGGGGCGCCCTCTGTGTGT 226
QY 3056 ggcacagctgtgactgagggcctgtgcaacacatlagactgtgctcccgctt 3115
|||||
DB 225 GGCCTCAGCTGTGACTGAGGGCTGTGACACAAATTAGAGCTGTATGCCCTCCGGCTTT 166
QY 3116 gcaaggagacagagctcccaaaacaaagtgccttgagctgtcgtctgcagccacaga 3175
|||||
DB 165 GCAGGAGAGACAGGCTTCCCAACCAAGTGCTTGAGCTGCTGTGAGCCACAG 106
QY 3176 ggaagatgtgacccagagagtggaagagtgagccctcgtgacttacaagagaaatg 3235
|||||
DB 105 GGACACTGTGACCCAGAGAGTGGAGAGTGGCCCTGTGACTACACAGGAACTGG 46
QY 3236 aagatgtgccccaaaagccttacgctcatgctgtcgtcaaa 3280
|||||
DB 45 AAGATGCTGGCCCCAAGCCTTACGCTATGATGTCTGCAAGG 1

RESULT 5
AAI50779/C
ID AAI50779 standard; DNA; 292 BP.
XX
AC AAI50779;
XX
DT 17-OCT-2001 (first entry)
XX
DE Probe #19465 used to measure gene expression in human placenta sample.
XX
KW Probe: microarray; human; placenta; antenatal diagnosis;
KW genetic disorder; ss.
XX
Homo sapiens.
XX
PN WO200157272-A2.
XX
PD 09-AUG-2001.
XX
PF 30-JAN-2001; 2001WO-US00663.
XX
PR 04-FEB-2000; 2000US-0180312.
PR 26-MAY-2000; 2000US-0207456.

PF 30-JAN-2001; 2001WO-US00670.
XX
PR 04-FEB-2000; 2000US-0180312.
PR 26-MAY-2000; 2000US-0207456.
PR 30-JUN-2000; 2000US-0608408.
PR 03-AUG-2000; 2000US-0632366.
PR 21-SEP-2000; 2000US-0234687.
PR 27-SEP-2000; 2000US-0236359.
PR 04-OCT-2000; 2000GB-0024263.
XX
PA (MOLE-) MOLECULAR DYNAMICS INC.
XX
PI Penn SG, Hanzel DK, Chen W, Rank DR;
XX
DR WPI: 2001-488901/53.
XX
PT Human genome-derived single exon nucleic acid probes useful for
XX analyzing gene expression in human cervical epithelial cells -
XX
XX Claim 25; SEQ ID No 14689; 487bp; English.
XX
CC The present invention relates to human single exon nucleic acid probes
CC (SENP). The present sequence is one such probe. The SENPs are derived
CC from human HeLa cells. The SENPs can be used to produce a single exon
CC microarray, which can be used for measuring human gene expression in a
CC sample derived from human cervical epithelial cells. By measuring gene
CC expression, the probes are therefore useful in grading and/or staging
CC of diseases of the cervix, notably cervical cancer.
CC Note: The sequence data for this patent did not form part of the printed
CC specification, but was obtained in electronic format directly from WIPO
CC at ftp.wipo.int/pub/published_pct_sequences.
XX
SQ Sequence 231 BP; 43 A; 52 C; 93 G; 43 T; 0 other;

Query Match 5.8%; Score 211.8; DB 22; Length 231;
Best Local Similarity 99.1%; Pred. No. 1.6e-39;
Matches 213; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2816 aagaagaccactaccgagagctgcctgcagaggtgcggagagacgtcggaacctcccg 2875
DB 215 AGAAGACACCACTACCGGAGAGCTGCTGCAGAGGTGGGAGAGCGTGGGTCCCTCCCG 156
QY 2876 acgactctgtgtactactacgtctcgtctcccaactctctcgacacactaccgg 2935
DB 155 ACGACTTGTGCTACTTCACTTCGCTTCCCACTCTCTCGACACACTTACCGG 96
QY 2936 ccatgagctgtgcagccagagagactctcagccctactactccagagcccccag 2995
DB 95 CCATGAGAGCTGACGAGCCAGAGAGACTCTCCAGCCCTACTACTCCAGAGCCCCAG 36
QY 2996 agccccagccccagtgactccagagccctctga 3030
DB 35 AGCCCCAGCCCCAGTACTCCAGAGCCCCCTGGA 1

RESULT 10
AA150167/c
ID AA150167 standard; DNA: 231 BP.
XX
AC AA150167;
XX
DT 17-OCT-2001 (first entry)
XX
DE Probe #18853 used to measure gene expression in human placenta sample.
XX
KW Probe; microarray; human; placenta; antenatal diagnosis;
XX genetic disorder; ss.
OS Homo sapiens.
XX
XX WO200157272-A2.
XX

PD 09-AUG-2001.
XX
PF 30-JAN-2001; 2001WO-US00663.
XX
PR 04-FEB-2000; 2000US-0180312.
PR 26-MAY-2000; 2000US-0207456.
PR 30-JUN-2000; 2000US-0608408.
PR 03-AUG-2000; 2000US-0632366.
PR 21-SEP-2000; 2000US-0234687.
PR 27-SEP-2000; 2000US-0236359.
PR 04-OCT-2000; 2000GB-0024263.
XX
PA (MOLE-) MOLECULAR DYNAMICS INC.
XX
PI Penn SG, Hanzel DK, Chen W, Rank DR;
XX
DR WPI: 2001-48897/53.
XX
PT Human genome-derived single exon nucleic acid probes useful for
XX analyzing gene expression in human placenta -
XX
XX Claim 25; SEQ ID No 18853; 654bp; English.
XX
XX The present invention relates to single exon nucleic acid probes (SENP).
XX The present sequence is one such probe. The probes are useful for
XX producing a microarray for predicting, measuring and displaying gene
XX expression in samples derived from human placenta. The probes are useful
XX for antenatal diagnosis of human genetic disorders.
XX
SQ Sequence 231 BP; 43 A; 52 C; 93 G; 43 T; 0 other;

Query Match 5.8%; Score 211.8; DB 22; Length 231;
Best Local Similarity 99.1%; Pred. No. 1.6e-39;
Matches 213; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2816 aagaagaccactaccgagagctgcctgcagaggtgcggagagacgtcggaacctcccg 2875
DB 215 AGAAGACCACTACCGGAGAGCTGCTGCAGAGGTGGGAGAGCGTGGGTCCCTCCCG 156
QY 2876 acgactctgtgtactactacgtctcgtctcccaactctctcgacacactaccgg 2935
DB 155 ACGACTTGTGCTACTTCACTTCGCTTCCCACTCTCTCGACACACTTACCGG 96
QY 2936 ccatgagctgtgcagccagagagactctcagccctactactccagagcccccag 2995
DB 95 CCATGAGAGCTGACGAGCCAGAGAGACTCTCCAGCCCTACTACTCCAGAGCCCCAG 36
QY 2996 agccccagccccagtgactccagagccctctga 3030
DB 35 AGCCCCAGCCCCAGTACTCCAGAGCCCCCTGGA 1

RESULT 11
AA11857
ID AA11857 standard; cDNA: 1129 BP.
XX
AC AA11857;
XX
DT 13-MAR-2001 (first entry)
XX
DE Aspergillus oryzae EST SEQ ID NO:4380.
XX
XX Multiple gene expression; filamentous fungal cell; EST;
XX expressed sequence tag; Fusarium venenatum; Aspergillus niger;
XX Aspergillus oryzae; Trichoderma reesei; identification; recombination;
XX culture condition; environmental stress; spore morphogenesis;
XX metabolic pathway engineering; catabolic pathway engineering; ss.
OS Aspergillus oryzae.
XX
XX WO200056762-A2.
XX

PD 28-SEP-2000.
XX
XX 22-MAR-2000: 2000WO-US07781.
XX
PR 22-MAR-1999: 99US-0273623.
XX
PA (NOVO) NOVO NORDISK BIOTECH INC.
XX (NOVO) NOVO NORDISK AS.
PI Berke RM, Rey MW, Shuster JR, Kauppinen S, Clausen IG, Olsen PB;
XX WPI: 2000-594572/56.
DR
PT Monitoring differential expression of genes in filamentous fungal cells
XX using fluorescence-labeled nucleic acids isolated from the cells and a
XX substrate of expressed sequence tags -
PS Claim 88: Page 1875: 3161pp: English.

CC The present invention describes a method for monitoring differential
XX expression of genes in a first filamentous fungal (FF) cell relative to
XX expression of the same genes in one or more second filamentous fungal
XX cells. The method uses fluorescence-labeled nucleic acids isolated from
XX the FF cells and a substrate of expressed sequence tags (EST). The ESTs
XX are used in the methods for monitoring differential expression of genes
XX in a first filamentous fungal (FF) cell relative to expression of the
XX same genes in one or more second filamentous fungal cells. Monitoring
XX the global expression of genes from FF cells allows the production
XX potential of the microorganisms to be improved. New genes may be
XX discovered, possible functions of unknown open reading frames can be
XX identified and gene copy number variation and stability can be
XX monitored. The expression of genes can be used to study how FF cells
XX adapt to changes in culture conditions, environmental stress, spore
XX morphogenesis, recombination, metabolic or catabolic pathway
XX engineering. Using ESTs provides several advantages over genomic or
XX random cDNA clones including elimination of redundancy as one spot on an
XX array equals one gene or open reading frame, and organisation of the
XX microarrays based on function of the gene products to facilitate
XX analysis of the results. AAF07478 to AAF11247 represents ESTs from
XX Fusarium venenatum; AAF11248 to AAF11853 represents ESTs from Aspergillus
XX niger; AAF11854 to AAF14878 represents ESTs from Aspergillus oryzae; and
XX AAF14879 to AAF15337 represents ESTs from Trichoderma reesei, which are
XX all specifically claimed in the present invention.

CC Sequence 1129 BP; 262 A; 321 C; 271 G; 275 T; 0 other;

Query Match 2.6%; Score 93.6; DB 21; Length 1129;
Best Local Similarity 51.4%; Pred No. 5,4e-12;
Matches 303; Conservative 0; Mismatches 269; Indels 18; Gaps 3;

QY 2348 ctactacacggtgacatcttctcgcgtcgtcttctactacgtgtctcgaag 2407
DB 416 ccacccgtctacgacatcttctcgtgtgtgtctactatgtcttcaccag 475
QY 2408 gcagccaccccttggcaagtcctcga-----gcggcagccacacatcctctgg 2461
DB 476 gcggcaccacatctgcaaaaacgcaattcactgcgagcccaatattgtaagg 535
QY 2462 ccgtgacgttgcgtcgtcaccagagaaagcgaagcattgcgcgaattga 2521
DB 536 accacacactgcgaactcgaagcctgggtgactatgcttcgaagccgcgactcta 595
QY 2522 tagagagaatgactgactgacatctcagaagaagccctcagcagcagctcctaaac 2581
DB 596 tcacagcgtgtcgtcactgtacacagaaagcagcagcagctcgtctcagc 655
QY 2582 accgcttctcgtgagcctagaaagcagcagctccttcacagcgtgagcagaa 2641
DB 656 atccatctctgtaacatcgcacgtctcactccttctcgtgtatcgcgacatt 715
QY 2642 tggaaagaatccctggtgtgctgacgtg-----tgaagcgttagagagagcg 2695

DB 716 tcgagtcgaaccacgctgacccaccgctccgaagctctctgtgtcgtgaatccgtcgt 775
QY 2696 gaggcgtggtga-----aagtgactggtgggagaaacatcactgaccctccagacag 2749
DB 776 cagcgtcactggtgcccagagatgtacttctgtcagctcccccacttcttcaagaca 835
QY 2750 acctgctaataatcagacataaaggtgtctcgtcagaagatctctccgacatga 2809
DB 836 atctggcgaagcagcgaatgacacggttcaagaatgtctcgtactcctcagcgcat 895
QY 2810 gaataagaagcaccactacccagcagcgtcgtcagagtggtgggagcgtgggagcc 2869
DB 896 gtaacaagtgcacacactacaatgacatgccgagacatcgaagggccacacatcggtgc 955
QY 2870 tcccgcagcagctcgtgtgtcacttcaacgtctcgtctcccccactctc 2919
DB 956 ttgcggaagatatttggagttcttgagcgcgcagatcccgagcttactc 1005

RESULT 12
AAA00539
ID AAA00539 standard; cDNA; 291 BP.
XX

AC AAA00539;

DT 19-MAY-2000 (first entry)

XX Human colon cancer cell line polynucleotide sequence SEQ ID NO:530.

KW Human; colon cancer; tumour; diagnosis; gene expression product;

KW probe; detection; cancerous state; metastasis; identification;

KW breast cancer; oestrogen receptor-positive breast cancer; therapy;

XX oestrogen receptor-negative breast cancer; lung cancer; sa.

OS Homo sapiens.

PN WO958675-A2.

DB 18-NOV-1999.

XX 13-MAY-1999: 99WO-US10602.

PR 14-MAY-1998: 98US-0085426.

PR 15-MAY-1998: 98US-0085537.

PR 15-MAY-1998: 98US-0085696.

PR 21-OCT-1998: 98US-0105234.

PR 27-OCT-1998: 98US-0105877.

XX (CHTR) CHIRON CORP.

PA (HYSE) HYSEQ INC.

PI Williams LT, Escobedo J, Innis MA, Garcia PD, Sudduth-Klinger J;

PI Reinhard C, Gliese K, Randazzo F, Kennedy GC, Pot D, Kassam A;

PI Lamson G, Drmanac R, Ctkvenjakov R, Dickson M, Drmanac S, Labat I;

PI Leshkowitz D, Kita D, Garcia V, Jones LM, Stache-Crain B;

XX WPI: 2000-126369/11.

DR Polynucleotide library used to determine cancerous states of mammalian

PT cells -
PS Claim 1: Page 306; 1097pp: English.

XX AAA00010 to AAA02716 represent polynucleotides isolated from cDNA

CC libraries constructed from human colon cancer cell lines. The present

CC invention also describes a method of detecting differentially expressed

CC genes correlated with a cancerous state of a mammalian cell, comprising

CC detecting at least one differentially expressed gene product in a test

CC sample derived from a cell suspected of being cancerous, where detection

CC of the differentially expressed gene product is correlated with a

CC cancerous state of the cell from which the test sample was derived.

CC The polynucleotides sequences can be used in a method for detecting

CC differentially expressed genes correlated with a cancerous state of a